Listing of Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Previously Presented) Silanised, structurally modified, pyrogenically produced silicas,

characterised by octylsilyl and/or hexadecylsilyl groups fixed to the surface, wherein structural modification is done by spraying pyrogenically produced silica optionally first with water and then with hexadecyltrimethoxysilane $(CH_3O)_3\ SiC_{16}H_{33}$ or octyltrimethoxysilane $(CH_3O)_3\ SiC_8H_{17}$, mixing intensively, mixing for a further 15 to 30 minutes and then tempering at a temperature of 100 to 160° C for a period of 1 to 3 hours, then structurally modifying said silica by subjecting said silica to a ball mill to produce a silica with a DBP value of at least 10% lower than the DBP value of non-structurally modified silica.

2.-3. (Cancelled)

4. (Previously Presented) Process for the production of the silanised, structurally modified, pyrogenically produced silicas according to Claim 1,

characterised in that a pyrogenically produced silica is placed in a mixer, the silica is sprayed, optionally first with water and then with the compound from the group $(RO)_3SiC_nH_{2n+1}$ while mixing intensively, mixed for a further 15 to 30 minutes and then tempered at a temperature of 100 to 160°C for a period of 1 to 3 hours, structurally modified by ball milling and/or optionally post-grinding.

5. (Previously Presented) Process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 4,

characterised in that an additional tempering of said silica is carried out.

6. (Previously Presented) Lacquer composition comprising a lacquer vehicle and the silanised, structurally modified, pyrogenically produced silica of Claim 1.

7. (Previously Presented) A silanised, structurally modified, pyrogenically produced silica, said silica having been structurally modified by ball milling,

and

having the following physical chemical properties:

BET surface area	25-400 m^2/g
Average size of primary particles	5-50 nm
pH value	3-10
Carbon content	0.1-25%
DBP value in %	at least 10% lower than the DBP value of a corresponding silianised, non-structurally modified silica,

wherein the pyrogenically produced silica has been treated with a compound selected from the group consisting of $(CH_3O)_3SiC_{16}H_{33}$ and $(CH_3O)_3SiC_8H_{17}$.

8.-10. (Cancelled)

11. (Previously Presented) A process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 7, comprising placing the pyrogenically produced silica in a mixer, spraying the silica, optionally first with water, and then spraying with said compound while mixing intensively, mixing for a further 15 to 30 minutes

and then tempering at a temperature of 100 to 160°C for a period of 1 to 3 hours, structurally modifying by ball milling and and/or optionally post-grinding.

12. (Previously Presented) The process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 11, further comprising additionally tempering said silica.

13. (Cancelled)

14. (Previously Presented) The process according to Claim 11, further comprising post grinding said silica by using an air-jet mill or pin mill.

15. (Previously Presented) The process according to Claim 12, wherein tempering takes place in a drying cupboard or in a fluidized bed.

16. (Previously Presented) The process according to Claim 15, wherein the tempering takes place under protective gas.

17. (Previously Presented) A lacquer containing the silanised, structurally modified, pyrogenically produced silica of Claim 1.

18. (Previously Presented) A lacquer containing the silanised, structurally modified, pyrogenically produced silica of Claim 7.

19. (Previously Presented) A surface having applied thereto a coating produced from the lacquer of Claim 17.

20. (Previously Presented) The surface according to Claim 19, which is metal.

21.-22. (Cancelled)